

IN THE CLAIMS:

Please amend Claims 11 to 14 as shown below.

1. to 10. (Cancelled)

11. (Currently Amended) A method of measuring an amount of a probe in a probe array, wherein the probe array comprises a plurality of probes immobilized at a plurality of matrix sites on a substrate for capturing a target substance, the plurality of probes are is sequentially synthesized at the plurality of matrix sites on the substrate until to a desired length, each of the plurality of probes are is different from each other, and a labeling compound is coupled to each terminus of the plurality of probes in a final step of the sequential synthesis, said method comprising the step of measuring an amount of the labeling compound at each of the plurality of matrix site sites, wherein all probes forming the probe array have the labeling compound coupled to their termini.

12. (Currently Amended) A method for evaluating an amount of a target substance comprising the steps of:

reacting a probe array and a target substance, wherein the probe array comprises a plurality of probes immobilized at a plurality of matrix sites on a substrate for capturing a target substance, the plurality of probes are sequentially synthesized at the plurality of matrix sites on the substrate until to a desired length, each of the plurality of probes are is different from each other, and a labeling compound is coupled to each

terminus of the plurality of probes in a final step of the sequential synthesis;  
measuring an amount of the labeling compound at each of the plurality  
of matrix site sites to determine an amount of the probe at each of the plurality of matrix  
site sites;  
measuring an amount of a labeled target substance captured by the probe at  
each of the plurality of matrix site sites; and  
comparing the amount of the probe with the amount of the labeled target  
substance,  
wherein all probes forming the probe array have the labeling compound  
coupled to their termini.

13. (Currently Amended) The method according to claim 12, wherein the  
labeling compound is directly bonded to the substrate at a predetermined matrix site on the  
surface of the substrate during a first step of the sequential synthesis without an elongation  
reaction, and wherein the amount of the labeling compound coupled to the probe is  
compared with an amount of the labeling compound directly bonded to the substrate ~~at a~~  
~~predetermined matrix site on the surface of the substrate during a first step of the sequential~~  
~~synthesis without elongation reaction.~~

14. (Currently Amended) A method of evaluating an amount of a target  
substance comprising the steps of:

reacting a probe array and ~~a~~ the target substance, wherein the probe array

comprises a plurality of probes immobilized at a plurality of matrix sites on a substrate for capturing a the target substance, the plurality of probes are is sequentially synthesized at the plurality of matrix sites on the substrate until to a desired length, each of the plurality of probes are is different from each other, and a labeling compound is coupled to each terminus of the plurality of probes in a final step of the sequential synthesis;

measuring an amount of the labeling compound at each of the plurality of matrix site sites to determine an amount of the probe at each of the plurality of matrix site sites;

measuring an amount of a labeled target substance captured by the probe at each of the plurality of matrix site sites;

measuring an amount of the labeling compound directly bonded to the substrate at a predetermined matrix site on the surface of the substrate, wherein the labeling compound is directly bonded to the substrate during a first step of the sequential synthesis without an elongation reaction;

comparing the amount of the probe, the amount of the labeled target substance, and the amount of the directly bonded labeling compound,

wherein all probes forming the probe array have the labeling compound coupled to their termini.